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THE TECH

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THE TECH

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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates alumni, and

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

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HE term "college life" is one that admits of various interpretations. To some at Technology it may sound almost like a misnomer for existence. This is the pessimistic view, but its prevalence makes it seem worth while to give a word of counsel to the Freshman who is just now beginning

Work, and oftentimes hard work, forms the main part of an Institute course. That this is so has come to be recognized wherever Technology is known; and it is this work

that has given us a body of graduates whose achievements in science, architecture, and engineering have been such as to make the Massachusetts Institute of Technology the foremost technical school in America.

Moreover, the tendency is for the amount of this work to steadily increase, and we feel more and more the pressure tending to exclude the amusements and diversions which take up a share of the time of the average college man. As a result, the student often devotes his entire attention to work alone as the easiest solution to the problem. Whether this is the wisest solution is not so plain, if we are to judge by those who have been through the Institute. "I regret that I neglected the social side of my college life," is frequently heard.

In view of this, we wish just now to call attention to the class dinners which will take place in the course of the next week or two. Those who have been to a class dinner one year go again the next. We urge every one, and especially Freshmen, not to miss what invariably proves one of the pleasantest events of the year—his Class Dinner. A college course should mean something more than study. Technology offers more than that.



HE progress made by the Walker Club in the preparation of their play has been considerable, and the work has now assumed a definite shape. The Minstrel Show, too, is well under way, and rehearsals

have been begun. The managers of both affairs are working energetically, and the productions are sure to be first class.

It remains with the student body to crown their results with success by a large attendance. This should be an assured fact, since the plays in themselves are of merit outside of their connection with Institute affairs. And the fact that the Athletic Association is to be benefitted is also an important consideration. The Athletic Association now finds itself in a position where active measures must be taken at once.

The spring season is just about to open, and just at the time when ready money is most needed the officers find themselves hampered not only by a lack of funds, but also by the presence of a good-sized debt, the result of general apathy among the students last year. A liberal patronage of these theatrical productions will do much toward removing the difficulties of the Association, and will open the way for the creditable showing that our athletes are sure to make.

Light Battery B, Pennsylvania Volunteers.

The Tech has been fortunate in obtaining, by kindness of Alfred E. Hunt, '76, an account of the part his battery took in the recent war. The account is especially interesting to those who have followed the various controversies that have recently occupied the attention of the war department. The fact that in Captain Hunt's battery strict sanitary measures were enforced, and that the battery saw foreign service as well as service in the United States, without the loss of a single man, is significant.

The writer had the honor to have commanded a light battery in the National Guard of Pennsylvania for about fifteen years previous to the Spanish war, which was declared on April 22, 1898.

On the 27th of April the battery reported, with one hundred per cent attendance, for duty at Mt. Gretna, Pa., the central point of mobilization of the State troops. Every

member of the battery answered "yes" to the question as to whether he would enlist in the United States Volunteer Service; and on the 6th of May the writer received a commission which made him senior captain of light artillery in the United States Volunteer Service during the war with Spain.

The command was sent from Mt. Gretna to Camp Thomas, Chickamauga, Ga., and received some months of training and "licking into shape" under one of the best artillery officers in the United States Service, Brigadier General E. B. Williston.

The discipline of the men was sorely tried by obedience to orders in the matter of the strict rules of sanitation that, as commander of the battery, I found necessary to enforce to insure the health of the command at this camp.

Soon becoming convinced of the impure character of the water supply, the command was ordered to drink nothing but boiled water; and, with the active work to which the men were subjected, at a daily temperature of ninety to ninety-five in the shade for many hours during the day, to be obliged to drink a tepid warm water, which was even warmer than the temperature of the surrounding air, required first a discipline of the stomach and "risibles" of the men on which they had to have considerable drill.

Prompt and cheerful obedience to the orders, however, resulted in a minimum of sickness with the command, and Battery B, Pennsylvania Volunteers, is the one organization that the writer is aware of that saw foreign as well as service in the United States without the loss of a single life, the battery reporting back to its place of enrollment for muster out in November with every man present.

A little before the middle of July the command was ordered to proceed with the least possible delay to Newport News, and, thereafter, to embark for Cuba as a reenforcement to General Shafter, then in siege operation

at Santiago. The transport, however, did not arrive in Santiago until after the surrender of the place, and Battery B, with three other light batteries of artillery (Battery A of Missouri, Battery A of Illinois, and the 27th Indiana Battery), proceeded to Puerto Rico, reporting to Major General Brooke, commanding the First Army Corps; landed first at Guanica, thereafter at Ponce, and finally disembarked at Arroyo, Puerto Rico.

The transport could get only within about four miles of the shore, and the landing of the entire equipment, including about one hundred head of horses and about thirty mules for each battery, was performed in very rough weather.

The animals were lifted from the sides of the transports in canvas slings and lowered down into lighters, which were pulled as near the shore as the breakers would allow, and then the men, jumping into water up to their waists, dragged the animals through the surf to the shore.

The horses of the command had been nearly two weeks standing upon their legs; first in stock cars in the long railroad ride from Camp Thomas, Georgia, to Newport News, and, thereafter, in the week's journey to Puerto Rico. The poor beasts were sadly leg weary, but we did not lose an animal curvoute. This was occasioned by the assiduous attention which was given to them; not only in their being properly fed and watered, but in their legs being well rubbed down each day, and the cleaning out regularly of the stalls in which the animals were crowded on the transport.

We were fortunate enough to have about a dozen enlisted men in my command who had been at work in bridge shops in the Pittsburg district; and with a gang of about twenty men the commander of the Battery built a wharf out into the sea for a distance which extended beyond the breakers, and allowed the guns and ammunition and other heavy portion of the cargo of the various transports to be unloaded

directly on to the wharf, and not carried upon the backs of the men or dragged through the water, as had been necessary at many of the other places of landing.

This wharf was started at eight o'clock in the morning, and was completed by five o'clock in the afternoon. Lieut.-Col. G. W. Goethal, of the United States Engineers, had projected the work, and started the foundations with a force of Puerto Rican natives. Several old scows, which had become water-logged, were filled with sand and sunk at proper intervals for bridge piers, and upon this work the trestle work of timbers was built, supporting the deck flooring of the dock, which proved to have given a very firm and secure foundation.

The next day after landing the same bridge gang of Light Battery B, Pennsylvania Volunteers, built a bridge on the road between Arroyo and the city of Guayama over a creek, the span being eighty-five feet, and the height of the bridge floor above the bottom of the creek some sixty-five feet. This bridge, also, was built in one day's time. The timber for use in the structure was obtained from neighboring sugar mills, which were demolished for the purpose of furnishing the lumber. It was hewn timber, and the largest portion of it was mahogany and rosewood. Probably such fine timber has never been utilized before for a bridge structure as we found most convenient to use at that time.

The Spaniards had destroyed the stone arch bridge which had been utilized before in their retreat from Arroyo to Guayama. The command participated in the forward movements in the capture of Guayama, and was the Battery in advance in the line of battle formed by Major General Brooke in the advance movement over the mountains from Guayama to El Cayey.

The Battery, with guns loaded, was just ready to commence the action which would likely have proved one of the most sanguinary of the Spanish War, when the order for the cessation of hostilities, issued by the President of the United States, was received by Major General Brooke, who was standing beside the guns of Battery B when the news was received.

After the cessation of hostilities the command marched back to Guayama, and thereafter a distance of some sixty miles to Ponce, in Puerto Rico, sailing from Ponce to New York, at which point the guns and equipment of the organization were sent directly to the various United States Arsenals in accordance with the instructions from the Chief of Ordnance of the United States Army at Washington; and the command proceeded to Pittsburg, where, after sixty days' furlough, they were mustered out of the United States service.

This, in brief, was the history of Light Battery B, Pennsylvania Volunteers, commanded by one of the graduates of the Massachusetts Institute of Technology in the Class of '76.

ALFRED E. HUNT.

Musical Clubs.

A BUSINESS meeting of the Glee, Banjo, and Mandolin Clubs was held Friday, February 24th. Mr. B. P. Haseltine, Jr., '99, tendered his resignation as Secretary, on account of the recent death of his father. Treasurer Bronson, '01, reported a solvent, though not highly flourishing state of finances, with considerable still due from the Class of 1900. Manager Hudson, '01, was authorized to make necessary arrangements for the Home Concert of Junior Week. Mr. A. H. Sawyer, '01, was elected Secretary.

A unanimous vote of thanks was given the retiring Manager, Mr. C. B. Page, '99. On motion of Adams, '99, a committee, consisting of H. H. Hewitt, '99, H. L. Walker, '00, and W. O. Adams, '99 (chairman), was appointed to design a suitable "shingle" and other souvenir insignia for the members of the Association, after which the meeting adjourned.

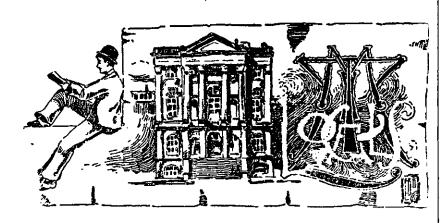
Architectural Society Dance.

On the evening of Tuesday, February 21st, the Architectural Society gave an extremely enjoyable dance. The free-hand drawing room of the Pierce Building was for the time being transformed into a ball room, and a better one could hardly be desired. The floor was all that could be wished for, and the music was excellent.

From the main transom and from the chandelier strips of red bunting were artistically draped, shedding a warm red glow upon the dancers. Around the room were arranged divans well banked with cushions. The exhibition room was also open and proved a favorite retreat. So pleased was one of the professors with the appearance of the room that he was heard to remark, "I guess these fellows don't need any course in interior decorating."

Refreshments were served during the evening by Mrs. King. About thirty-five couples were present. The matrons were Mrs. Chandler and Mrs. Sedgwick, and Professors Chandler and Sedgwick were also present. Messrs. Clark, Palmer, Stewart, and Watrous were the ushers, and the committee in charge, Messrs. White, Graves, and Richmond, as well as the entire Society, deserve great credit for the efficient manner in which every detail was carried out.

A PRIZE of ten (\$10) dollars is offered, provided there are five or more contestants, for the best design of a cover for the Junior Week Theatricals of the Walker Club. Designs submitted are to become the property of the Club, whether awarded the prize or not. Designs are to be distinguished by some number or mark, and the name shall be enclosed in a sealed envelope similarly marked. Designs shall be in not more than two colors, and shall be left at the "Cage," not later than April 1, 1899, for C. F. Gauss.



A fully attended and enthusiastic rehearsal of the minstrel show was held on Friday, several of the topical songs being rehearsed.

G. R. Heckle, ex-'99, will appear at the Sportsman's Show in New York. Heckle will give as an exhibition his famous canoe upset.

The annual meeting of the M. I. T. Tennis Association will be held Tuesday at I. P. M., to elect officers and make plans for the coming year. All members are requested to be present.

The first rehearsal for the Walker Club play, "The Private Secretary," was very successful and encouraging, about twenty-five men being present. Parts were assigned by Miss Kate Ryan, the "coach," and the first act was read.

A meeting of the Mechanical Engineering Society will be held in Room 22, Engineering A., on Friday afternoon, March 3d, at 4.15. Mr. Horton, '99, will describe the process of lens-grinding. All members, and especially Juniors of Courses II., X., XIII., and the Electrical and Civil Engineering Societies, are invited. An interesting meeting is expected.

The following men have been elected as the Nominating Committee for the '99 Classday officers: W. O. Adams, K. M. Blake, G. P. Burch, W. M. Corse, D. Farnum, W. B. Flynn, A. W. Grosvenor, A. L. Hamilton, E. H. Hammond, B. P. Haseltine, Jr., A. R. Holliday, L. Johnson, W. A. Kinsman,

B. E. Morse, H. L. Morse, S. Motch, W. S. Newell, C. B. Page, J. A. Patch, C. Renshaw, H. Sawyer, M. S. Sherrill, R. W. Stebbins, J. Stone, Jr., G. B. Street.

1900.

The 1900 Junior Prom. Committee was elected last Friday, and is as follows: W. R. Collier, S. G. H. Fitch, S. C. Sears, G. O. Schneller, and M. L. Sperry; also W. L. Rapp, ex officio. The Dinner Committee, consisting of M. Barney, W. R. Collier, and A. L. Churchman, was appointed. The Class Dinner will be held at the Brunswick, Friday, March 10th.

1901.

At the 1901 Class Meeting to-day action will be taken upon the nominations of the Executive Committee for President and First Vice President. The Class Dinner will be held at the Vendome March 9th, at 7.30 P. M.

1902.

THE Dinner Committee for the Class of 1902 consists of Messrs. A. E. Lombard, C. G. Mixture, G. Bright, Jr., and H. L. Strand. The nominees for the Institute Committee from the Freshman Class are Messrs. W. H. Farmer, A. W. Allyn, and J. R. Adams. The elections will be held on March 6th.

M. I. T. A. A.

At the meeting of the Executive Committee of the M. I. T. Athletic Association yesterday, it was decided to hold no open games this year. The Annual Cross Country Run is to be held March 25th. The Philadelphia relay race will be discussed at the next meeting of the committee, on March 10th. The Manager of the track team was authorized to

make arrangements with Brown and Amherst for a dual meet with each.

In the account of the Intercollegiate meeting two weeks ago, a misstatement was made about the bicycle race. The bicycle race will be held on the Worcester Agricultural track in the morning. This is an excellent half-mile track, and candidates for the Tech cycle squad need not fear the usual tumble in the Intercollegiate Bicycle Championship.

Electrical Engineering Society.

The February meeting was held in Room 22, Walker Building, on Wednesday evening, February 15th. A committee, consisting of Mr. Renshaw, '99, Mr. Emerson, '99, Mr. Blair, 1900, was appointed to arrange for an excursion to the Lynn works of the General Electric Co. A second committee, consisting of Mr. Hawkins, '99, Mr. Coolidge, Mr. McMasters, 1900, was appointed to arrange for a Smoke Talk at the Technology Club.

Mr. James described the rotary transformer used in his thesis work, and told of the various tests made upon it. Mr. Addicks explained the differential wattmeter which he designed, describing the construction and use of the instrument. Mr. Renshaw followed with a detailed account of "Street Car Wiring," explaining in particular the series-parallel controller, its construction, and the objects for which it is designed.

Technology Calendar.

March 2 — Meeting Sophomore Class, I P. M., Huntington Hall.

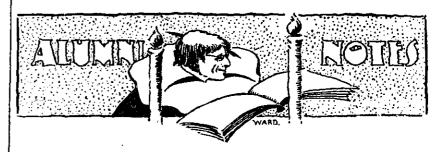
March 3.—Meeting Senior Class, 11 Rogers at 1 P. M. Minstrels, 31 Rogers at 4 P. M. Meeting of the Mechanical Engineering Society, 4.15 P. M., in 22 Engineering A. Meeting Y. M. C. A., 11 Rogers, 4.15 P. M.

March 6.—1902 election of representatives to the Institute Committee.

March 7.—Meeting Tennis Association, 1 P. M. Election of officers.

March 8 — Meeting of the Bowling Club, 8 p. m., at the Allen Gymnasium.

March 9.-1901 Class dinner at the Vendome, 7.30 P. M.



- '75. Mr. M. D. Burnet, III., who has linked his fortunes with the Eastern Coal and Coke Co., has been made general manager of the company, which now has in addition fifty new coke ovens just starting operation in Cherokee County, Kansas.
- '85. Everett Morss has gone to Europe on a short business trip. He will visit London, Paris, and one or two places in Germany before returning.
- '87. Mr. Henry Souther, III., who has for the past five years been in charge of the department of tests of the Pope Manfg. Co., has resigned his position, and established an office and laboratory as a consulting engineer and steel expert at 438 Asylum Street, Hartford, Conn. Ever since graduation he has been prominent in his line, and now is virtually consulting engineer for the company he has just left.
- '90. Mr. H. L. Noyes was married Dec. 28, 1898.
- '90. Mr. A. H. Rogers is in the mining business in Mexico, and Mr. A. H. Adams is in the telephone business in Paris. All the rest of the class are located in the United States.
- '90. Mr. Willard H. Roots is doing missionary work in Chelah, Wash.
- '90. Mr. C. C. Babb, of the U. S. Geological Survey, is at present in Arizona.'
- '90. Mr. Geo. B. McConnell is in Alaska for a year or two.
- '95. Mr. Clifford B. Sanborn, IX., who took a course in the Harvard Law School after his graduation here, has successfully passed the State examinations, and has been admitted to the bar.



Baxter, '01, Pope, '02, Shephard, '01, Priest, '00, Wentworth, '00, Horr, '02, and several others are entered at the Boston College Meet Saturday night.

In the afternoon of February 22d, Horr, '01, ran second to Charley Daly, of Harvard, in the 40-yard low hurdles at the Open Meet of the Roxbury Latin School.

At the Open Meet of the Newton High School, held on February 22d, McMasters and Priest won second places in the 300-yard and 600-yard runs respectively.

The Amherst-Williams-Wesleyan League is now an assured fact, and it is very probable that there will be no Dual Meet with Amherst this spring. Brown has, however, signified a wish to hold a Dual Meet with us, and arrangements are now being considered.

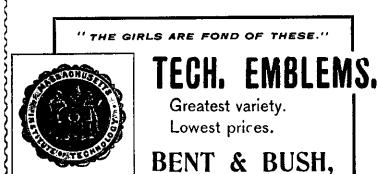
An invitation has been received from the University of Pennsylvania to enter the Relay team at the Athletic Carnival, to be held in Philadelphia during the first week in April. We are placed in the second class with Williams, Amherst, Dartmouth, and Brown. The races are held on a quarter-mile cinder path, where everything is conducive to fast work. These conditions just suit us, and a team can be sent that is faster even than the crack quartette now running on the indoor tracks.

The trials for the Relay team that is to run at the Boston College Meet were run off on the board track on Holmes Field on Saturday. Seven men ran and made good time in the

face of a stiff breeze. The personnel of the team, as decided by these trials, is the same as the one that ran away from Dartmouth at the B. A. A. Meet. The men will run in the same order as before: Hall, McMasters, Priest, and Garrett. They have been training continually, and will give a good account of themselves.

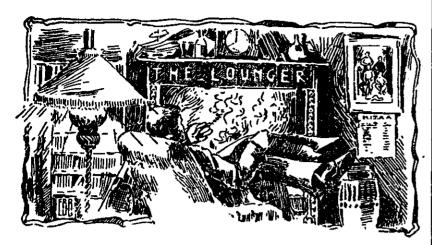
Owing to the loss of members of the Track team, our chances of winning the intercollegiate championship this spring do not look so favorable as at the opening of school. Therefore we should appreciate the fact that we can win only as a result of hard training and a willingness on the part of all students to take active interest in athletics. So let every man who has any desire to train for any event give his name to the man in charge of that event. The following men are to have charge of the events preceding their names:—

100-yard dash M. W. Hall, '00. M. W. Hall, '00. 220-yard dash 440-yard dash F. B. Dutton, 'co. Half-mile run W. W. Garrett, '01. S. C. Sears, 'oo. One-mile run Two-mile run D. M. Pray, '99. J. F. Wentworth, '00. 120-yard hurdles 220-yard hurdles G. P. Burch, '99. Two-mile bicycle race R. Murray, 'or. 16-pound shot G. I. Copp, '99. 16-pound hammer J. H. Walton. Discus G. I. Copp, '99. Running high jump F. K. Baxter, 'ot. Running broad jump A. W. Grosvenor Pole vault F. K. Baxter, or. F. K. BAXTER, '01, Captain.



387 WASHINGTON ST.,

BOSTON.



WHILE the Lounger is thoroughly in sympathy with the efforts of the Faculty and Corporation, in their efforts to provide for a number of studies of a liberal character and of a nature pertaining more particularly to a general education, nevertheless he has always had implicit confidence in the desire of those powers, as advertised in catalogue and circulars, to instil honesty and integrity of purpose into the minds of the youth in their charge. It was consequently with no inconsiderable amount of surprise that he read last week of a lecture before the Society of Arts upon "Modern Forging," by a gentleman in the employ of a prominent firm engaged in those industries more or less intimately connected with iron and "steal." For all students (?) in Course IX. engaged in investigations of problems in "Finance and Banking," the said subject, it would seem, should have had particular interest, and as a proof of the fact that the Institute is thoroughly up to date the Lounger was particularly pleased to note that only "modern" methods were dealt with.

The Lounger has been greatly bored of late by the constant repetition "in another column," if he may be allowed to speak editorially of a certain exhortation to each man in the Junior Class, in regard to his financial duties. On several occasions, picking up the latest issue, he has with more haste than good grace exchanged it for another, thinking from the sight of the said article that he must be inadvertently perusing what is commonly called a back number. Threats, persuasions, and entreaties, seem all equally lost upon his friend the Editor in Chief, and the Lounger would infer that that gentleman must have been one of the few induced by the class treasurer to part with the sum of money mentioned. As a last resort the Lounger now appeals to the class at large to quickly fulfill their duties in this direction, so that the item in question need no longer be inflicted on a suffering public.

Owing to the stringent prohibition of visitors at the weekly evolutions of his friends the Freshmen, which the honorable commandant of the Institute's military forces found it necessary to inaugurate in consequence of the unsettled conditions in Asiatic America, and the usual war-time precautions, the Lounger has been unable to maintain his military enthusiasm at its accustomed height in spite of the regular recurrence each week of the blue and brass in class room and corridor; for, with their present style of head gear, the resemblance of these gallant warriors to messenger boys causes them to attract but little notice. The announcement of a competitive drill in the near future has brought the subject once more to the Lounger's notice, and he deeply regrets that in spite of his most earnest endeavors, his flock should have gone so far astray. Facilis descensus averno, as the poet has written, finds illustration in this voluntary descent of Institute students to the level of the preparatory and high school! "Form a nucleus for Interscholastic Drill!" What an elevating and ennobling occupation for college men! Truly such a scheme will indeed be an extension of the "scope of the Massachusetts Institute of Technology!" How proud the class of 1002 will feel in its Senior year, presenting a "silver trophy" to some warlike high school! And all this after the glorious record of previous classes in Intercollegiate drill! O tempora! O mores! as Cicero once said, the Lounger weeps.

Although the Lounger has no desire to arouse any argument as to the relative incentive powers of the fear of punishment or the hope of reward, yet he cannot help admitting the enormous power of the lastmentioned sentiment. The arduous striving of public personages for that subtle reward, applause, is well known, and the Lounger confesses that even he is not altogether averse to receiving, from his friends in particular and the public in general, expressions showing intelligent appreciation of his efforts. The following item from the letter of a member of one of the classes in the late seventies is unusually grateful: "There is one page I always read, usually when myself 'lounging' before retiring o' a night, and that is your 'lounger's' page." The Lounger regrets exceedingly that the correspondent referred to gave no information as to the character of the results obtained in the way of pleasant dreams, or as to what other remedies for insomnia he had previously tried.

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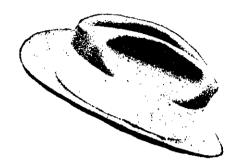
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Park Theatre. - May Irwin returns to Boston in a new farce, "Kate Kip, Buyer," by Glen MacDonough.

Boston Museum.—Viola Allen will appear as Glory Quayle in the dramatization of Hall Caine's famous novel, "The Christian."

Hollis Street Theatre. —Miss Julia Marlowe returns to Boston this year with a new play, "Colinette."

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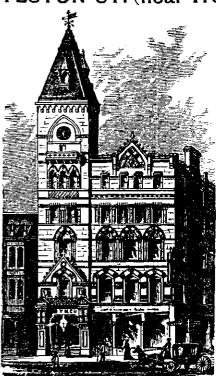
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